

GEOPAK Series 2 - Low Glare

SIZE 2 - TRP2/RD12

FEATURES

- Mid sized architectural wallpacks in two stylish shapes
- Capable of replacing up to 400w HID luminaires
- Forward Throw and Wide Throw distributions for a wide variety of applications.
- Control capabilities offer additional energy savings options
- Zero uplight distributions
- Optional up-light with Wall Graze or Column distributions



TRP2



RD12



SPECIFICATIONS

CONSTRUCTION

- Die-cast aluminum housing and door
- Seven powder coat standard finishes, plus custom color options
- Meets ASTM B117 with 1,000 hours of salt spray exposure

OPTICS

- LEDs deliver up to 9,353 lumens
- Up to 155 lumens per watt (LPW)
- Distribution patterns for a variety of applications - Forward Throw and Wide Throw
- CCT: 3000K, 4000K, and 5000K
- CRI: 70

INSTALLATION

- Quick-mount adapter with gasket seal provides easy installation to wall or to recessed junction box (4" square junction box). Fixture attaches by two Allen-head hidden fasteners for tamper resistance
- Back box accessory available for surface conduit application

ELECTRICAL

- 120-277, 347 and 480 voltage, 50/60Hz
- Power factor \geq 90%
- THD (Total Harmonic Distortion) <20%
- Ambient operating temperature -40°C to 40°C

ELECTRICAL (CONTINUED)

- Optional: 20kA surge protection device (series); Automatically takes fixture off-line when device is consumed

CONTROLS

- Drivers are 0-10V dimming standard
- Universal button photocontrol for dusk to dawn energy savings
- Photocell and occupancy sensor options available for complete on/off and dimming control

CERTIFICATIONS

- IP65 rated housing
- Zero uplight (U0), dark sky, neighbor friendly
- Drivers IP66 and RoHS compliant
- This product meets federal procurement law requirements under the Buy American Act (52.225-9) and Trade Agreements Act (FAR 52.225-11). See America(n) Solutions (line to <http://www.currentlighting.com/resources/america-solutions>)

WARRANTY

- 5 year limited warranty

KEY DATA	
Lumen Range	2774-9353
Wattage Range	20-70
Efficacy Range (LPW)	119-155
Weights lbs. (kg)	16-18 (7.3-8.2)

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ORDERING GUIDE

Example: TRP2-D-20-4K7-FT-UNV-DBT

 CATALOG #

ORDERING INFORMATION

Family	# LEDs - Wattage	CCT/CRI	Distribution	Voltage	Secondary Distribution
TRP2 Trapezoid	D-20 20w Low Glare Diffuse	3K7 3000K, 70 CRI	FT Forward Throw Diffused	UNV 120-277V	BLANK Downlight Only
RD12 Radius	D-30 30w Low Glare Diffuse	4K7 4000K, 70 CRI	WT Wide Throw Diffused	120 120V	UG ² Uplight Wall Graze
	D-50 50w Low Glare Diffuse	5K7 5000K, 70 CRI		208 208V	UC ² Uplight Canopy
	D-70 70w Low Glare Diffuse			240 240V	US ² Uplight Spot/Column
				277 277V	
				UHV ¹ 347/480V	
				347 ¹ 347V	
				480 ¹ 480V	

Finish	Control Options	Options
BLT Black Matte Textured	PC Button Photocontrol	SF ³ Single fuse & fuse holder
BLS Black Gloss Smooth	SCP ^{4,5} Programmable occupancy sensor, factory default is 10% light output	DF ³ Double fuse & fuse holder
DBT Dark Bronze Matte Textured	SCO ⁴ Sensor Control, On/Off	SP Surge Protector
DBS Dark Bronze Gloss Smooth	NXW ⁶ NX Networked Wireless Radio Modul NXRM2 and Bluetooth Programming without Sensor	
GTT Graphite Matte Textured	NXWS ⁶ NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming, 12F	
LGS Light Grey Gloss Smooth	SCP/SCO Mount Height	
LGT Light Grey Matte Textured	-8F Up to 8ft mount height	
PSS Platinum Silver Smooth	-20F Up to 20ft mount height	
WHT White Matte Textured		
WHS White Gloss Smooth		
WHG White High Gloss		
VGT Verde Green Textured		

Notes:

- 70 watt version only, not available with PC, SCP, or SCO sensors
- Not available with SF, DF, 2DR, or 2PF electrical options
- Must specify voltage
- PCU option not applicable, included in sensor
- Must order minimum of one remote control to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings
- Networked Controls cannot be combined with other control options

ACCESSORIES (ORDERED SEPARATELY)

Catalog Number	Description
<input type="checkbox"/> WP-BB-DBT	Backbox with four 1/2" threaded conduit holes painted Dark Bronze Texture

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CONTROLS FUNCTIONALITY

OUTDOOR LIGHTING CONTROLS OPTIONS



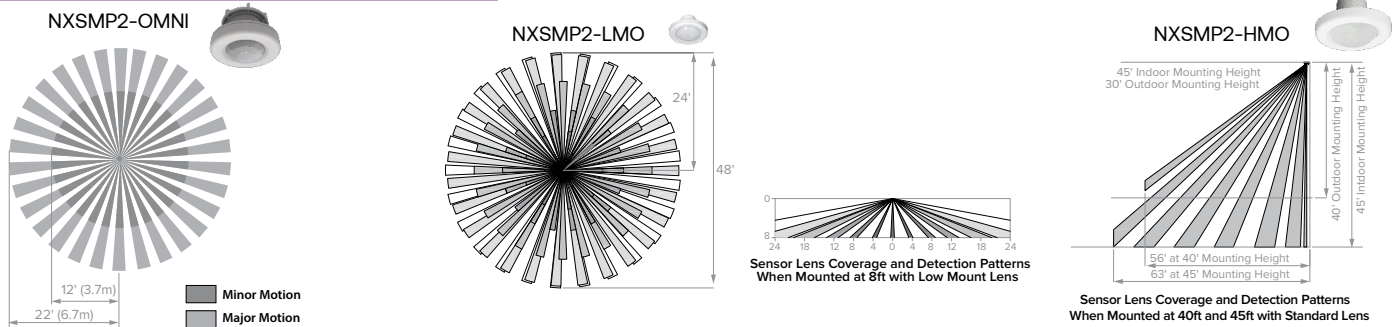
Control Option Ordering Logic & Description	Control Option Functionality										Control Option Components
	Networkable	Grouping	Scheduling	Occupancy/Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor	✓	✓	✓	-	-	✓	✓	✓	-		NXRM2-H
NXWS16F NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	16ft		NXSMP2-LMO

DEFAULT SETTINGS

NX Wireless	Occupancy Sensor	Enabled
	Occupancy Sensor Sensitivity	7
	Occupancy Sensor Timeout	15 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	0%
	Daylight Sensor	Disabled
	Bluetooth	Enabled
	2.4GHz Wireless Mesh	On
	"Passcode Factory Passcode: HubbN3T!"	Enabled

Stand Alone	Occupancy Sensor	Enabled
	Occupancy Sensor Sensitivity	7
	Occupancy Sensor Timeout	8 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	50%
	Daylight Sensor	Disabled

NX WIRELESS COVERAGE PATTERNS



NX LIGHTING CONTROLS FREE APP

CONTROLS TECH SUPPORT 800-888-8006 (7:00 AM - 7:00 PM)



The NX Lighting Controls App is free to use mobile application for programming both NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enable luminaires and program NX system settings.

Apple App: <https://apps.apple.com/us/app/nx-lighting-controls/id962112904>

Google Play: https://play.google.com/store/apps/details?id=io.cordova.NXBTR&hl=en_US&gl=US



Apple App



Google Play

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PERFORMANCE DATA (MICRO STRIKE)

SECONDARY DISTRIBUTION	NOMINAL WATTS	SYSTEM WATTS	MAIN DISTR. TYPE	5K (5000K, nominal, 70 CRI)					4K (4000K, nominal, 70 CRI)					3K (3000K, nominal, 70 CRI)				
				LUMENS	LPW	B	U	G	LUMENS	LPW	B	U	G	LUMENS	LPW	B	U	G
None	D-20	21	FT	3082	147	1	0	1	3067	146	1	0	1	2883	137	1	0	1
			WT	3195	152	1	0	0	3179	151	1	0	0	2988	142	1	0	0
	D-30	33	FT	4995	150	1	0	1	4970	149	1	0	1	4672	140	1	0	1
			WT	5178	155	1	0	1	5152	154	1	0	1	4843	145	1	0	1
	D-50	49	FT	7094	146	1	0	1	7058	145	1	0	1	6635	136	1	0	1
			WT	7353	151	1	0	1	7316	150	1	0	1	6877	141	1	0	1
D-70	62	FT	8669	141	1	0	1	8626	140	1	0	1	8108	132	1	0	1	
		WT	8986	145	1	0	1	8941	144	1	0	1	8405	136	1	0	1	
UC (Canopy)	D-20	21	FT	2991	134	1	3	1	2976	133	1	3	1	2798	125	1	3	1
			WT	3325	149	1	3	0	3309	148	1	3	0	3110	139	1	3	0
	D-30	33	FT	4847	137	1	3	1	4823	136	1	3	1	4534	128	1	3	1
			WT	5389	152	1	3	1	5362	151	1	3	1	5040	142	1	3	1
	D-50	49	FT	6884	133	1	3	1	6850	132	1	3	1	6439	125	1	3	1
			WT	7653	148	1	3	1	7615	147	1	3	1	7158	138	1	3	1
D-70	62	FT	8413	128	1	3	1	8371	128	1	3	1	7869	120	1	3	1	
		WT	9353	143	1	3	1	9306	142	1	3	1	8748	134	1	3	1	
UG (Wall Graze)	D-20	21	FT	2966	133	1	3	1	2952	132	1	3	1	2774	124	1	3	1
			WT	3302	148	1	3	0	3286	147	1	3	0	3089	139	1	3	0
	D-30	33	FT	4808	135	1	3	1	4784	135	1	3	1	4497	127	1	3	1
			WT	5352	151	1	3	1	5325	150	1	3	1	5006	141	1	3	1
	D-50	49	FT	6827	132	1	3	1	6793	131	1	3	1	6386	124	1	3	1
			WT	7600	147	1	3	1	7562	146	1	3	1	7109	138	1	3	1
D-70	62	FT	8344	127	1	3	1	8302	127	1	3	1	7804	119	1	3	1	
		WT	9288	142	1	3	1	9242	141	1	3	1	8687	133	1	3	1	
US (Spot/Column)	D-20	21	FT	3156	142	1	3	1	3140	141	1	3	1	2952	132	1	3	1
			WT	3316	149	1	3	0	3300	148	1	3	0	3102	139	1	3	0
	D-30	33	FT	5114	144	1	3	1	5089	143	1	3	1	4784	135	1	3	1
			WT	5375	151	1	3	1	5348	151	1	3	1	5027	142	1	3	1
	D-50	49	FT	7263	140	1	3	1	7227	140	1	3	1	6793	131	1	3	1
			WT	7633	148	1	3	1	7595	147	1	3	1	7140	138	1	3	1
D-70	62	FT	8876	135	1	3	1	8832	135	1	3	1	8302	126	1	3	1	
		WT	9328	141	1	3	1	9282	140	1	3	1	8725	132	1	3	1	

MULTIPLIER (MICRO STRIKE)

Micro Strike Lumen Multiplier			
CCT	70CRI	80CRI	90CRI
2700K	-	0.869	-
3000K	0.945	0.832	0.626
3500K	-	0.900	-
4000K	1.027	0.951	0.718
5000K	1.000	0.937	0.791
Monochromatic Amber Multiplier			
Amber	0.719		

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PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	TM-21-t1 36,000	50,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.97	0.96	0.95	0.91	408,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.89	356,000

For Microstrike LEDs

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature	Lumen Multiplier
0°C	1.03
10°C	1.01
20°C	1.00
25°C	1.00
30°C	0.99
40°C	0.98
50°C	0.97

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

ELECTRICAL DATA

VERSION	NOMINAL WATTAGE	INPUT VOLTAGE (V)	CURRENT (Amps)	SYSTEM POWER (w)	
Downlight Only	D-20	120	0.18	21	
		277	0.08	21	
	D-30	120	0.28	33	
		277	0.12	33	
	D-50	120	0.41	49	
		277	0.18	49	
	D-70	120	0.52	62	
			0.22	62	
		347	0.18	62	
			0.13	62	
	With Uplight	D-20	120	0.18	21
			277	0.08	21
D-30		120	0.28	33	
		277	0.12	33	
D-50		120	0.41	49	
		277	0.18	49	
D-70		120	0.52	62	
			0.22	62	
		347	0.18	62	
			0.13	62	

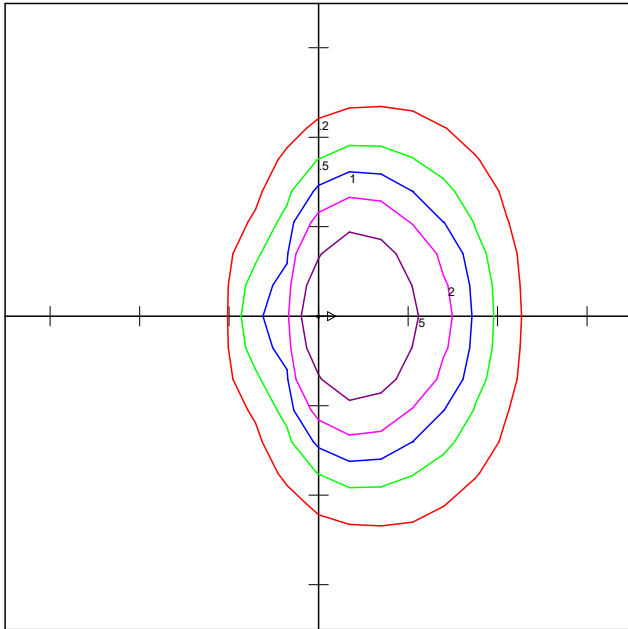
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PHOTOMETRY

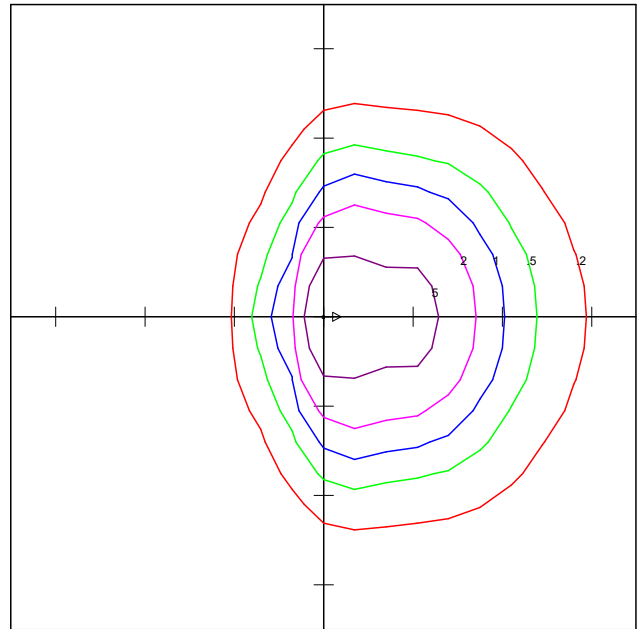
The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

WIDE THROW



MOUNTING HEIGHT 10'

FORWARD THROW



MOUNTING HEIGHT 10'

UPLIGHT GRAZE



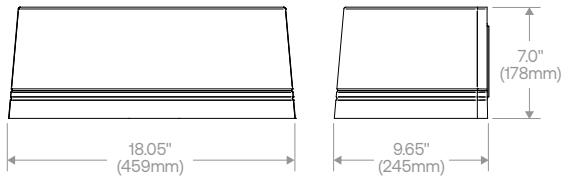
UPLIGHT SPOT/COLUMN



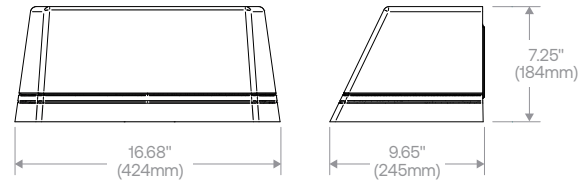
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DIMENSIONS



RD12
Weight:
16 lbs (7.3 kg)



TRP2
Weight:
16 lbs (7.3 kg)

ADDITIONAL INFORMATION

CONTROL OPTIONS



Programmable occupancy sensor offers greater control and energy savings with adjustable delay and dimming levels (Factory default is 10%)